

ATGGCTCTGGGCCAACTGTGGCATCCTACTGTTCTGGCTGTTCTGGGTGTGGCCATCCCC
 AGGTTCAAACCTGGGAAGTCGAATCGTGGGAGGGCATGCTGCCCAAGCAGGCACATGGCGTG
 GCAGGCTAGCCTCCGTCTGCACAAGGTGCACGTGTGGAGGCTCCCTGCTCAGTCAGAATGG
 GTGCTCACAGCAGCCCCACTGCTTCTGGGTCTGTGAACTCGTCTGATTATCAGGTGCACTTGG
 GAGAGCTTACGGTCACACTGTCTCCCCACTTCTCCACTGTAAAACGGATCATCATGTACACTGG
 CTCTCCAGGACCACCGGGTCCAGTGGGACATTGCCCTGGTGCAGCTGTCCTCCCCGGTGGCC
 CTTTCCAGGCCAGGTCCAGCCTGTGTGCCTCCCAGAGGCCTCAGCTGACTTCTACCCGGTGGC
 AGTGTGGGTGACTGGCTGGGCTATACAGGGAGGGAGAGCCTCTGAAGCCCCATACAACCT
 TCAGGAGGCCAAAGTCTCTGTGGTGGATGTAAAGACCTGCAGCCAGGCTTACAATAGTCCAAT
 GGCAGCCTCATCCAGCCAGACATGCTATGCGCCGGGCCCTGGGATGCCTGCCAGGATGACT
 CTGGAGGGCACTAGTCTGCCAGGTGGCTGGAACCTGGCAGCAGGCCGGCGTTGTCAGCTGGGG
 TGAGGGCTGTGGCCGCCCTGACCGCCCTGGCGTCTATGCCCGGGTTACTGCCTATGTAAACTGG
 ATCCACCACACATCCCGGAAGCAGGGGCTCAGGAATGCAAGGGCTCCCTGGCTCCTCTCC
 TGGCTGCCCTCTTCTGGCCAAGCCTCTCCTGCTGGTCTCTGGAGTCCTGATGGCCAAGTA
 CTGGCTGAGCTCCCTCCCAGCAGGCTCGGAACCTGAAATGAGGTGTAGCAACCAACCAAG
 TGTCTTCTAAATAAGTTAGTGTGTTATTCACTGCTTGGCCCTCCCTCCCTAGCTTTG
 ACTTAGGAAGCAAAGTTCTGCATCAGATTATTGCAACATTAAACCTGAATTGTAGAACGG
 ATGACATAAAGCAAATGGATGTCAAAAAAAAAA (SEQ ID NO:1)

09900254-020621

MALGPNCILLFLAVSGCGHPQVSNSGSRIVGGHAAPAGTWPWQ
 ASLRLHKVHVCGSLLSPEWVLTAHCFSGSVNSSDYQVHLGELTVTLSPHFSTVKRI
 IMYTGSPGPPGSSGDIALVQLSSPVALSSQVQPVCLPEASADFYPGMQCWVTGWGYTG
 EGEPLKPPYNLQEAKVSVDVKTCSQAYNSPNGSLIQPDMLCARGPGDACQDDSGGPL
 VCQVAGTWQQAGVVSWGEGRDPDRPGVYARVTAYVNWIHHHIPEAGGSGMQGLPWAP

LLAALFWPSLFLLLVSGVLMAKYWLSSPSHAASEL (SEQ ID NO:2)

FIGURE 1

Construct

Gene: 372 **GI Number(s):** 6103630
Gene Family: Protease
Gene Subfamily: Serine Protease
Gene Sequence: full-length cDNA, Mouse

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

ATGGCTCTGGGGCCCACTGTGGCATCCTACTGTTCTGGCTGTTCTG [GGTGTGGCCA
 TCCCCAGGTTCAAACCTCGGAAAGTCGAATCGTGGGAGGGCATGCTGCCAGCAGGCAC
 ATGGCCGTGCGAGGCTAGCCTCCGTCTGCACAAGGTGCACGTGT] GTGGAGGCTCCCTGC
TCAGTCCAGAATGGGTGCTCACAGCAGCCCACTGCTCTCTGGGTCTGTGAACTCGTCTG
ATTATCAGGTGCACTTGGGAGAGCTACGGTACACTGTCTCCCACTT [CTCCACTGTA
 AAACGGATCATCATGTAACTGGCTCTCCAGGACCACGGGGTCCAGTGGGACATTGC
 CTGGTGCAGGTGCTCCCTCCGGTGGCCCTTCCAGGCCAGGTCCAGCCTGTGGCCTCCCA
 GAGGCCTCAGCTGACTCTACCCCTGGATGCAGTGCTGGTACTGGCTGGGCTATACA
 GGGGAGGGAG] AGCCTCTGAAGCCCCATACAACCTCAGGAGGCCAAAGTCTGTGGT
 GGATGTAAAGACCTGCAGCCAGGTACAATAGTCCATGGCAGCCTCATCAGCCAGA
 CATGCTATGCGGCCGGGGCCCTGGGATGCCAGGTGACTCTGGAGGGCCACTAGT
 CTGCCAGGTGGCTGGACCTGGCAGGCCGGCGTTGCAGCTGGGTGAGGGCTGTGG
 CCGCCCTGACCGCCCTGGCGTCTATGCCGGGTTACTGCCATGTAAACTGGATCCACCA
 CCACATCCGGAAGCAGGGGGCTCAGGAATGCAAGGGCTCCCTGGCTCCTCCTGGC
 TGCCCTCTGGCCAAGCCTCTCCGTCTGGCTCTGGAGTCTGATGCCAGTA
 CTGGCTGAGCTCTCCCCCACGCCCTCGGAACTCTGAATGAGGTGAGCAACCAACC
 CAAGTGTCTTCTTAAATAAGTTAGTGTTTATTCAGTTGCTTGCCCTCCCTCCCCT
 TAGCTTGACTTAGGAAGCCAAAGTTTCTGCATCAGATTATTGCAACATTTAACCTGAA
 TTTGTAGAACGGATGACATAAAGCAATGGATGTCAAAAA (SEQ ID NO:1)

Gene Sequence Structure
*

164 bp

Sequence Deleted

287 bp

Size of full-length
cDNA: 1122 bp



FIGURE 2A

Targeting Vector* (genomic sequence)

Construct Number: 1607

Arm Length:

5': 6 kb

3': 0.7 kb

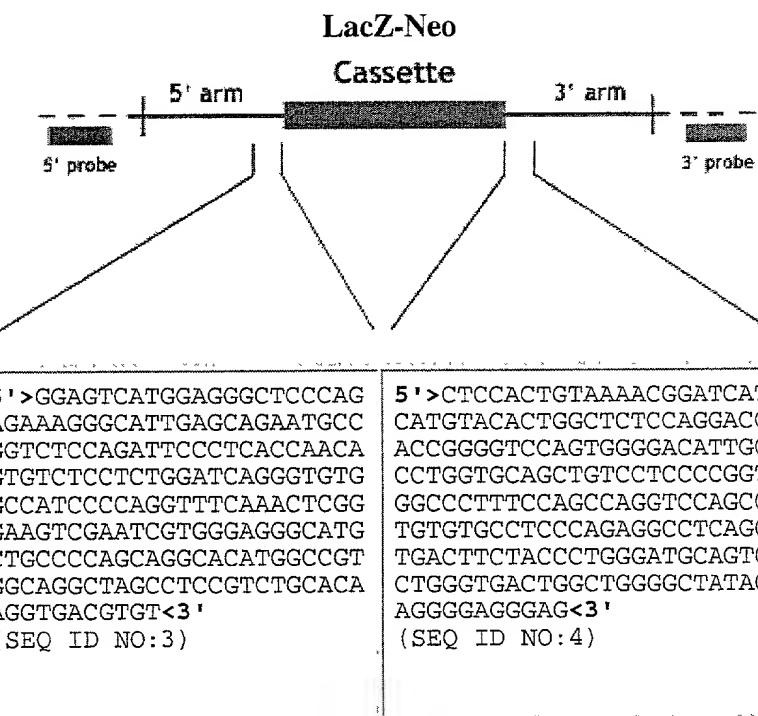
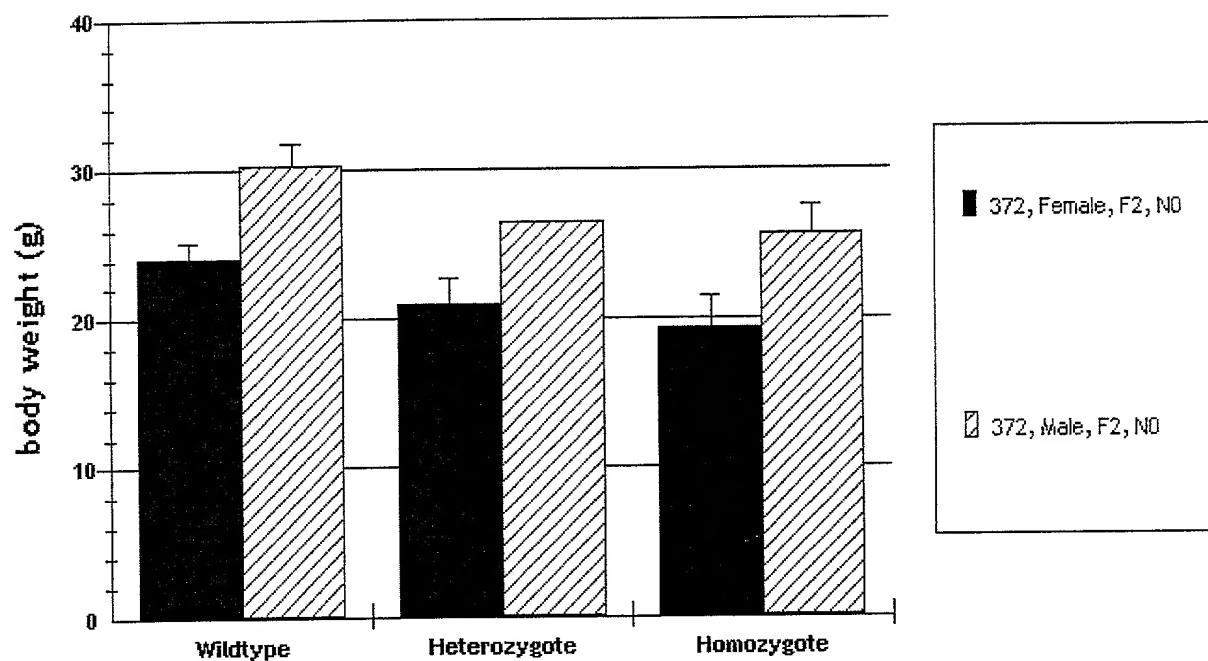


FIGURE 2B

4/6

necropsy - body weight

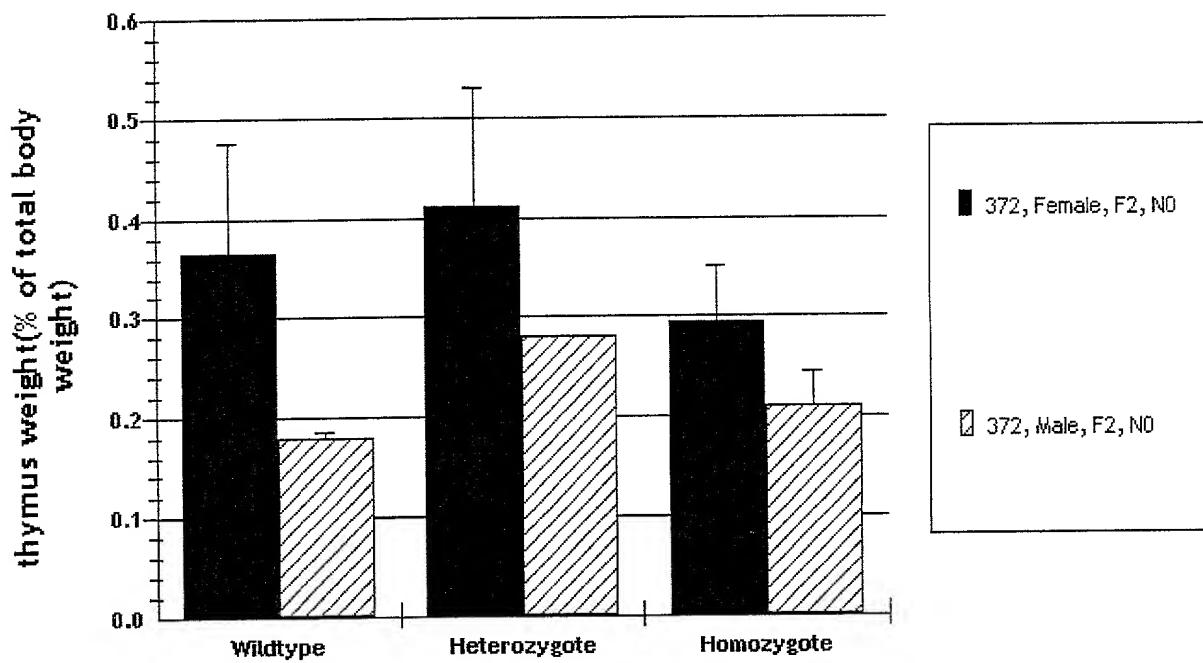


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FIGURE 3

5/6

necropsy - thymus weight/body weight



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FIGURE 4

Phenotypic Data Summary - Startle Response Amplitude

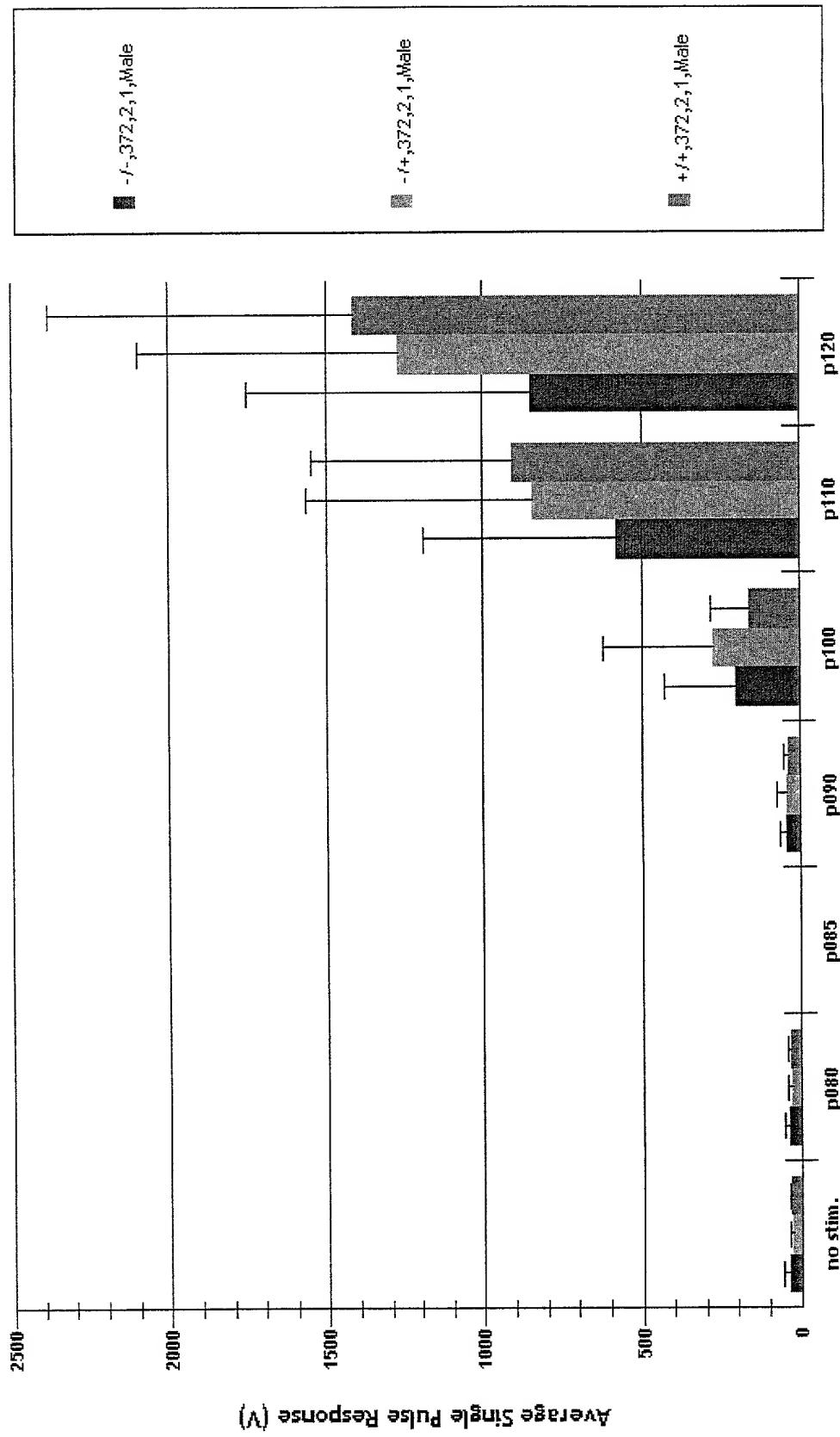


FIGURE 5